



United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
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Laboratory Results

September 21, 2017

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US EPA New England R1

Project No: 17090014

Project: Merrymeeting River - New Durham, NH

Analysis: Total Suspended Solids in Water

EPA Chemist: Inna Germansderfer

Date Samples Received by the Laboratory: 09/12/2017

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, INGTSS-TDS-VRES6.

The SOP is based on SM 2540 D.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

If you have any questions please call me at 617-918-8340.

Sincerely,

17090014TSS

Qualifiers:

RL = Reporting limit

ND = Not Detected above Reporting limit

NA = Not Applicable due to high sample dilutions or sample interferences

NC = Not calculated since analyte concentration is ND.

J = Estimated value

J1 = Estimated value due to MS recovery outside acceptance criteria

J2 = Estimated value due to LFB result outside acceptance criteria

J3 = Estimated value due to RPD result outside acceptance criteria

J4 = Estimated value due to LCS result outside acceptance criteria

E = Estimated value exceeds the calibration range

L = Estimated value is below the calibration range

B = Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank.

R = No recovery was calculated since the analyte concentration is greater than four times the spike level.

P = The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported.

C = The identification has been confirmed by GC/MS.

A = Suspected Aldol condensation product.

N = Tentatively identified compound.

Total Suspended Solids in Water

Matrix: Water

Sample Number	Lab ID	Collected	Analysis	Concentration mg/L	RL mg/L	Qualifier
MM01	AB70033	09/12/2017	09/13/2017	30	2.5	
Comments:						
PM01	AB70034	09/12/2017	09/13/2017	ND	2.5	
Comments:						
PM02	AB70035	09/12/2017	09/13/2017	ND	2.5	
Comments:						
MM02	AB70036	09/12/2017	09/13/2017	ND	2.5	
Comments:						
MM03	AB70037	09/12/2017	09/13/2017	ND	2.5	
Comments:						
DUP04	AB70038	09/12/2017	09/13/2017	ND	2.5	
Comments:						
Blank			09/13/2017	ND	2.5	
Comments:						

Laboratory Duplicate Results

SAMPLE ID	PARAMETER	SAMPLE RESULT	SAMPLE DUP RESULT	PRECISION RPD	QC LIMITS
		mg/L	mg/L	%	(%RPD)
AB70034	Total Suspended Solids in Water	ND	ND	NC	25



REGION 1

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	REMARKS										
17090014		Merrymeeting River													
SAMPLERS: (Signature)					TSS	Orthophosphorus	NH ₃	NO ₂ +NO ₃	Total Phosphorus	Total Nitrogen					
STA. NO.	DATE	TIME	COMP.	GRAB							STATION LOCATION				
MM01	9/12/17	10:41		✓		2	✓	✓	✓	✓	✓				
PM01		10:55		✓		2	✓	✓	✓	✓	✓				
PM02		11:06		✓		2	✓	✓	✓	✓	✓				
MM02		11:24		✓		2	✓	✓	✓	✓	✓				
MM03		11:37		✓		2	✓	✓	✓	✓	✓				
DUP04		11:39		✓		2	✓	✓	✓	✓	✓				
						12									
Relinquished by: (Signature)						Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)						Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)						Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks			

17090014 ophos
17090014 AMMO
17090014 STNL
17090014 TP
17090014 TSS

10°C
14:30
6°C

TN, TP, NO₂+NO₃ = 14:30

Distribution: Original Accompanies Shipment; Copy to Coordinator, Field Files